EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	92	(HIRATA/in. or KIMINOBU.in. or ESAKA.in. or TAKEHIRO.in.) and (exhaust near4 gas) and (engine)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:25
S2	38	((KIMINOBU) near2 (HIRATA)).INV.	EPO; JPO; DERWENT	OR	ON	2009/11/24 12:25
S3	22	((KIMINOBU) near2 (HIRATA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/24 12:26
S4	5	(HIRATA/in. or KIMINOBU.in. or ESAKA.in. or TAKEHIRO.in.) and (exhaust near4 gas) and (engine) and ((abnormal$4 or deteriorat$4 or degrad$4 or fail) and (injector or meter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:26
S5	2	((TAKEHIRO) near2 (ESAKA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/24 12:26
S6	108	((engine) and ((abnormal$4 or deteriorat$4 or degrad$4 or fail$4 or fault$4 or leak$4) near2 (injector))).CLM.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:26
S7	171	(((abnormal$4 or deteriorat$4 or degrad$4 or fail$4 or fault$4 or leak$4) near2 (injector))).CLM.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:26

S8	78	(((abnormal$4 or deteriorat$4 or degrad $4 or fail$4 or fault$4 or leak$4) near4 (injector or meter or valve) near4 (fuel or reduc$4 or reductant)) and (engine near4 (output or torque or load or speed or power))). CLM.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:26
S9	31	((exhaust near4 gas) and (engine) and ((abnormal$4 or deteriorat$4 or degrad $4 or fail$4 or fault$4 or leak$4) near4 (injector or meter or valve) near4 (system or device))).CLM.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:26
S10	20	((exhaust near4 gas) and (engine) and ((abnormal$4 or deteriorat$4 or degrad $4 or fail$4 or fault$4 or leak$4) near4 (injector or meter))). CLM.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:26
S11	11	((exhaust near4 gas) and (engine) and ((abnormal$4 or deteriorat$4 or degrad $4 or fail) near4 (injector or meter))). CLM.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:26
S12	14	(US-20070079601-$). did. or (US-6983589-$ or US-6487852-$ or US-6546720-$ or US-7216478-$ or US-6167698-$ or US-6119448-$ or US-5845487-$ or US-6357226-$ or US-7210459-$ or US-7257941-$ or US-4854123-$).did. or (JP-02283838-$).did. or (DE-4210647-$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/24 12:26

S13	5430	("73"/$.ccls.) and ((abnormal$4 or deteriorat$4 or degrad$4 or fail$4 or fault$4 or leak$4) near4 (injector or meter$4 or valve or inject$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:27
S14	3361	("73"/$.ccls.) and ((abnormal$4 or deteriorat$4 or degrad$4 or fail$4 or fault$4 or leak$4) near2 (injector or meter$4 or valve or inject$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:27
S15	1116	(exhaust near4 gas) and (engine) and ((abnormal$4 or deteriorat$4 or degrad$4 or fail$4 or fault$4 or leak$4) near4 (injector or meter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:27
S16	72	(exhaust near4 gas) and (engine) and ((abnormal$4 or deteriorat$4 or degrad$4 or fail$4 or fault$4 or leak$4) near4 (injector or meter) near4 (system or device)) and (cataly$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28
S17	109	(exhaust near4 gas) and (engine) and ((abnormal$4 or deteriorat$4 or degrad$4 or fail$4 or fault$4 or leak$4) near4 (injector or meter or valve) near4 (system or device)) and ("73"/$.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28
S18	31	(60/286.ccls. or 60/303.ccls.) and ("73"/$.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28

S19	31	(60/272-324.ccls.) and ("73"/$.ccls.) and ((abnormal$4 or deteriorat$4 or degrad $4 or fail$4 or fault$4 or leak$4) near4 (injector or meter$4 or valve or inject$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28
S20	106	("73"/$.ccls.) and ((abnormal$4 or deteriorat$4 or degrad $4 or fail$4 or fault$4 or leak$4) near2 (injector) near4 (fuel or reduc$4 or reductant))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28
S21	277	("60"/$.ccls.) and ((abnormal$4 or deteriorat$4 or degrad $4 or fail$4 or fault$4 or leak$4) near4 (injector or meter or valve) near4 (fuel or reduc$4 or reductant)) and (engine near4 (output or torque or load or speed or power))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28
S22	47	(exhaust near4 gas) and (engine) and ((abnormal$4 or deteriorat$4 or degrad $4 or fail) near4 (injector or meter) near4 (system or device))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28
S23	186	("73"/$.ccls.) and ((abnormal$4 or deteriorat$4 or degrad $4 or fail$4 or fault$4 or leak$4) near2 (injector))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28

S24	95	("60"/$.ccls.) and ((abnormal$4 or deteriorat$4 or degrad $4 or fail$4 or fault$4 or leak$4) near4 (injector) near4 (fuel or reduc$4 or reductant)) and (engine near4 (output or torque or load or speed or power))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28
S25	62	("60"/$.ccls.) and ((abnormal$4 or deteriorat$4 or degrad $4 or fail$4 or fault$4 or leak$4) near2 (injector) near4 (fuel or reduc$4 or reductant)) and (engine near4 (output or torque or load or speed or power))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28
S26	79	("73"/$.ccls.) and ((abnormal$4 or deteriorat$4 or degrad $4 or fail$4 or fault$4 or leak$4) near2 (injector) near4 (fuel or reduc$4 or reductant)) and (engine near4 (output or torque or load or speed or power))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28
S27	89	(exhaust) and (engine) and ((abnormal$4 or deteriorat$4 or degrad $4 or fail or fault or inoperat$4) near4 (injector or meter) near4 (system or device))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28

S28	121	(exhaust near4 gas) and (engine) and ((abnormal$4 or deteriorat$4 or degrad$4 or fail$4 or fault$4 or leak$4) near4 (injector or meter) near4 (system or device))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28
S29	86	(exhaust near4 gas) and (engine) and ((abnormal$4 or deteriorat$4 or degrad$4 or fail$4 or fault$4) near4 (injector or meter)) and (60/272-324.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28
S30	119	("73"/$.ccls.) and ((abnormal$4 or deteriorat$4 or degrad$4 or fail$4 or fault$4 or leak$4) near4 (injector) near4 (fuel or reduc$4 or reductant)) and (engine near4 (output or torque or load or speed or power))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28
S31	235	(exhaust near4 gas) and (engine) and ((abnormal$4 or deteriorat$4 or degrad$4 or fail) near4 (injector or meter or nozzle)) and (cataly$4 or absorb$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28
S32	215	(exhaust near4 gas) and (engine) and ((abnormal$4 or deteriorat$4 or degrad$4 or fail) near4 (injector or meter or nozzle)) and (cataly$4 or absorb$4) and (engine near4 (output or torque or load or speed or power))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28

S33	265	(engine) and ((abnormal$4 or deteriorat$4 or degrad$4 or fail$4 or fault$4 or leak$4 or plug$4 or leaking) near2 (injector or meter or nozzle)) and ((output or torque or load or speed or power or accelerat$4 or decelerat$4)) and (60/272-324.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28
S34	73	(engine) and ((abnormal$4 or deteriorat$4 or degrad$4 or fail$4 or fault$4 or leak$4 or plug$4 or leaking) near (injector or meter or nozzle)) and ((output or torque or load or speed or power or accelerat$4 or decelerat$4)) and (60/272-324.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28
S35	197	(exhaust near4 gas) and (engine) and ((abnormal$4 or deteriorat$4 or degrad$4 or fail) near4 (injector or meter or nozzle)) and (cataly$4 or absorb$4) and (engine near4 (output or torque or load or speed or power)) and (engine near4 (speed))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28
S36	45	(exhaust near4 gas) and (engine) and ((abnormal$4 or deteriorat$4 or degrad$4 or fail) near4 (injector or meter or nozzle)) and (cataly$4 or absorb$4) and (engine near4 (output or torque or load or speed or power)) and (engine near4 (speed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28

		near4 (restric$4 or reduc$4 or low$4))				
S37	76	(exhaust near4 gas) and (engine) and ((abnormal$4 or deteriorat$4 or degrad $4 or fail$4 or malfunction) near4 (injector or meter or nozzle)) and (cataly$4 or absorb$4) and (engine near4 (output or torque or load or speed or power)) and (engine near4 (speed)) and (60/272-324.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28
S38	79	(exhaust near4 gas) and (engine) and ((abnormal$4 or deteriorat$4 or degrad $4 or fail$4 or malfunction or faulty) near4 (injector or meter or nozzle)) and (cataly$4 or absorb$4) and (engine near4 (output or torque or load or speed or power)) and (engine near4 (speed)) and (60/272-324.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28
S39	100	(exhaust near4 gas) and (engine) and ((abnormal$4 or deteriorat$4 or degrad $4 or fail$4 or malfunction or faulty or leak$4) near4 (injector or meter or nozzle)) and (cataly$4 or absorb$4) and (engine near4 (output or torque or load or speed or power)) and (engine near4 (speed)) and (60/272-324.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28

S40	287	(exhaust near4 gas) and (engine) and ((abnormal$4 or deteriorat$4 or degrad$4 or fail$4 or malfunction or faulty) near4 (injector or meter or nozzle)) and (cataly$4 or absorb$4) and (engine near4 (output or torque or load or speed or power)) and (engine near4 (speed))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28
S41	201	(exhaust near4 gas) and (engine) and ((abnormal$4 or deteriorat$4 or degrad$4 or fail$4 or malfunction or faulty) near2 (injector or meter or nozzle)) and (cataly$4 or absorb$4) and (engine near4 (output or torque or load or speed or power)) and (engine near4 (speed))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28
S42	53	(exhaust near4 gas) and (engine) and ((abnormal$4 or deteriorat$4 or degrad$4 or fail$4 or malfunction or faulty) near2 (injector or meter or nozzle)) and (engine near4 (output or torque or load or speed or power)) and (engine near4 (speed)) and (60/272-324.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/24 12:28

S43	5903	(engine) and ((abnormal$4 or deteriorat$4 or degrad$4 or fail$4 or fault$4 or leak$4 or plug$4 or leaking) near2 (injector or meter or nozzle)) and ((output or torque or load or speed or power or accelerat$4 or decelerat$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/03 12:33
S44	2390	(engine) and ((abnormal$4 or deteriorat$4 or degrad$4 or fail$4 or fault$4 or leak$4 or plug$4 or leaking) near2 (injector or meter or nozzle)) and ((output or torque or load or speed or power or accelerat$4 or decelerat$4) near4 (restrict$4 or chang$4 or reduc$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/03 12:34
S45	303	(engine) and ((abnormal$4 or deteriorat$4 or degrad$4 or fail$4 or fault$4 or leak$4 or plug$4 or leaking) near2 (injector or meter or nozzle) near4 exhaust) and ((output or torque or load or speed or power or accelerat$4 or decelerat$4) near4 (restrict$4 or chang$4 or reduc$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/03 12:35

S46	173	(engine) and ((abnormal$4 or deteriorat$4 or degrad$4 or fail$4 or fault$4 or leak$4 or plug$4 or leaking) near2 (injector or meter or nozzle)) and ((output or torque or load or speed or power or accelerat$4 or decelerat$4) near4 (restrict$4 or chang$4 or reduc$4)) and (60/272-324.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/03 12:40
S47	64	(engine) and ((abnormal$4 or deteriorat$4 or degrad$4 or fail$4 or fault$4 or leak$4 or plug$4 or leaking) near2 (injector or meter or nozzle) near4 exhaust) and ((output or torque or load or speed or power or accelerat$4 or decelerat$4) near4 (restrict$4 or chang$4 or reduc$4)) and (60/272-324.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/03 12:40
S48	61	(engine) and ((abnormal$4 or deteriorat$4 or degrad$4 or fail$4 or fault$4 or leak$4 or plug$4 or leaking or clog$4) near2 (injector or meter or nozzle)) and (60/277.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/03 12:48
S49	20	(engine) and ((abnormal$4 or deteriorat$4 or degrad$4 or fail$4 or fault$4 or leak$4 or plug$4 or leaking or clog$4) near2 (injector or meter or nozzle)) and (60/277.ccls. and (60/286.ccls. or 60/295-303.ccls.))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/03 12:49

| S50 | 8 | ("20020107651" \| "20020150532" \| "20030101713" \| "20040076565" \| "6408616" \| "6487852" \| "6983589" \| "7082753").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/12/03 12:53 |
| S51 | 1 | ("7257941").URPN. | USPAT | OR | ON | 2009/12/03 12:53 |

12/6/2009 7:55:32 PM
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